KARNATAKA TEST HOUSE PVT. LTD.

MATERIAL TESTING LABORATORY

778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road,
Yeshwanthpur, Bangalore - 560 054.

Tel.: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/C.AGG/396-530/2013-2014 **Date: 14.06.2013**

TEST REPORT ON AGGREGATE
(Coarse Aggregate)

Name of the Customer* : **The Assistant Executive Engineer,**
BBMP, Shettyhalli Sub Division,
Dasarahalli zone, Bangalore.

Name of the Project* : Providing Cement Concrete to Cross Road at Ravindra Nagar Shooting Bangale back side in Ward No. 13 in Shettyhalli Sub division.

Name of Contractor* : Mr. Ashwathnarayana, Bangalore.

Source of Sample : Supplied by the Contractor.

Sample Received on : 11.06.2013.

Technical Reference : IS : 2386 Part I to VIII– 1963 (Reaffirmed-2002) and IS : 383 – 1970

Sieve Analysis of Coarse Aggregate - 20mm

Sl. No.	Sieve size mm	% Passing	IS : 383-1970 Stipulations		Remarks
			Single Size	Graded Size	
1	40	100	100	100	Sample confirms to Single size of IS: Stipulation of 20mm size Aggregate
2	20	86.9	85 to 100	95 to 100	
3	16	36.1	-	-	
4	10	1.9	0 to 20	25 to 55	
5	4.75	0.3	0 to 5	0 to 10	

Sl. No.	Test Conducted	Identification mm	Results %	IS : 383 – 1970 Stipulations
1	Flakiness Index	20	12.36	Not specified
2	Elongation Index	20	14.27	Not specified
3	Crushing Value	20	23.62	Shall not be more than 45% for Concrete and 30% for Wearing surfaces, such as runways, roads and pavements.

AE ward no 3 13

*As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C)
TECHNICAL MANAGER

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2) The results listed refer only to the tested samples and applicable parameters.

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Report No. : KTH/C.AGG/396-530a/2013-2014 **Date: 14.06.2013**

TEST REPORT ON AGGREGATE
(Coarse Aggregate)

Name of the Customer* : **The Assistant Executive Engineer,**
BBMP, Shettyhalli Sub Division,
Dasarahalli zone, Bangalore.

Name of the Project* : Providing Cement Concrete to Cross Road at Ravindra Nagar Shooting Bangale back side in Ward No. 13 in Shettyhalli Sub division.

Name of Contractor* : Mr. Ashwathnarayana, Bangalore.

Source of Sample : Supplied by the Contractor.

Sample Received on : 11.06.2013.

Technical Reference : IS : 2386 Part I to VIII– 1963 (Reaffirmed-2002) and IS : 383 – 1970

Sieve Analysis of Coarse Aggregate - 40mm & down size

Sl. No.	Sieve size mm	% Passing	IS : 383-1970 Stipulations		Remarks
			Single Size	Graded Size	
1	63	100	100	100	Sample confirms to Single Size for IS: Stipulation of 40mm size Aggregate
2	40	85.5	85 to 100	95 to 100	
3	20	6.5	0 to 20	30 to 70	
4	12.5	0.3	0 to 20	-	
5	10	-	0 to 5	10 to 35	
6	4.75	-	-	0 to 5	

Sl. No.	Test Conducted	Identification mm	Results	IS : 383 – 1970 Stipulations
1	Flakiness Index (%)	40	12.27	Not specified
2	Elongation Index (%)	40	14.85	Not specified
3	Impact Value (%)	40	21.76	Shall not be more than 45% for Concrete and 30% for Wearing surfaces, such as runways, roads and pavements.

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For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C.)
TECHNICAL MANAGER

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Tel.: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/CEMENT/396-531/2013-2014 **Date: 20.06.2013**

PHYSICAL TEST REPORT ON CEMENT

Interim 3 & 7 days

Name of the Customer* : **The Assistant Executive Engineer,**
BBMP, Shettyhalli Sub Division,
Dasarahalli zone, Bangalore.

Name of the Project* : Providing Cement Concrete to Cross Road at Ravindra Nagar Shooting Bangale back side in Ward No. 13 in Shettyhalli Sub division.

Name of Contractor* : Mr. Ashwathnarayana, Bangalore.

Source of Sample : Supplied by Contractor.

Type of cement* : Ordinary Portland Cement (OPC)

Brand of cement* : Priya Gold 53 Grade.

Sample Received on : 11.06.2013

Period of test : 12.06.2013 to 19.06.2013

Technical Reference : IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 12269-1987.

Sl. No.	Test Conducted	Results	IS : 12269-1987 Stipulation	Remarks
1	Normal consistency	29.5%	Not specified	-
2	Initial setting time	182 minutes	Shall not be less than 30 minutes	P
3	Final setting time	297 minutes	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) a. 72 ± 1h (3 days) b.168 ± 2h (7 days) c. 672 ± 4h (28 days)	 29.64 MPa 40.15 MPa T.T.C	 Shall not be less than 27.0 MPa Shall not be less than 37.0 MPa Shall not be less than 53.0 MPa	 P P -
5	Fineness (By Blaine's air permeability method)	348.25 m^2/kg	Shall not be less than 225m 2/kg	P
6	Soundness (Le-chatlier's method)	1.10 mm	Shall not be more than 10 mm	P

P: Passes IS requirement F: Fails IS requirement T.T.C: Test to be Conducted.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C.)
TECHNICAL MANAGER

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